

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054724.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 02:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 08 04:51:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	3147791	19.384 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
12) S 1-chlorooctadecane (S...	13.520	2411627	19.095 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
Target Compounds			
1) T n-Nonane (C9)	3.423	2707169	20.126 ug/ml
2) T n-Decane (C10)	4.680	2812933	20.615 ug/ml
3) T A~Naphthalene (C11.7)	6.399	3138726	20.730 ug/ml
4) T n-Dodecane (C12)	6.856	2875283	20.956 ug/ml
5) T A~2-methylnaphthalene...	7.500	3052441	20.764 ug/ml
6) T n-Tetradecane (C14)	8.693	2896035	20.891 ug/ml
7) T n-Hexadecane (C16)	10.308	2951558	20.711 ug/ml
8) T n-Octadecane (C18)	11.758	2948816	20.121 ug/ml
10) T n-Eicosane (C20)	13.072	2821836	19.624 ug/ml
11) T n-Heneicosane (C21)	13.686	2721549	19.054 ug/ml
13) T n-Docosane (C22)	14.275	2808289	19.667 ug/mlm
14) T n-Tetracosane (C24)	15.381	2933927	20.183 ug/mlm
15) T n-Hexacosane (C26)	16.405	3025201	20.904 ug/ml
16) T n-Octacosane (C28)	17.357	3136061	21.518 ug/ml
17) T n-Tricontane (C30)	18.246	3297604	20.926 ug/ml
18) T n-Dotriacontane (C32)	19.079	3160483	19.535 ug/ml
19) T n-Tetratriacontane (C34)	19.866	2851320	18.711 ug/ml
20) T n-Hexatriacontane (C36)	20.605	2619657	19.483 ug/mlm
21) T n-Octatriacontane (C38)	21.389	2666182	22.733 ug/mlm
22) T n-Tetracontane (C40)	22.381	2616156	24.138 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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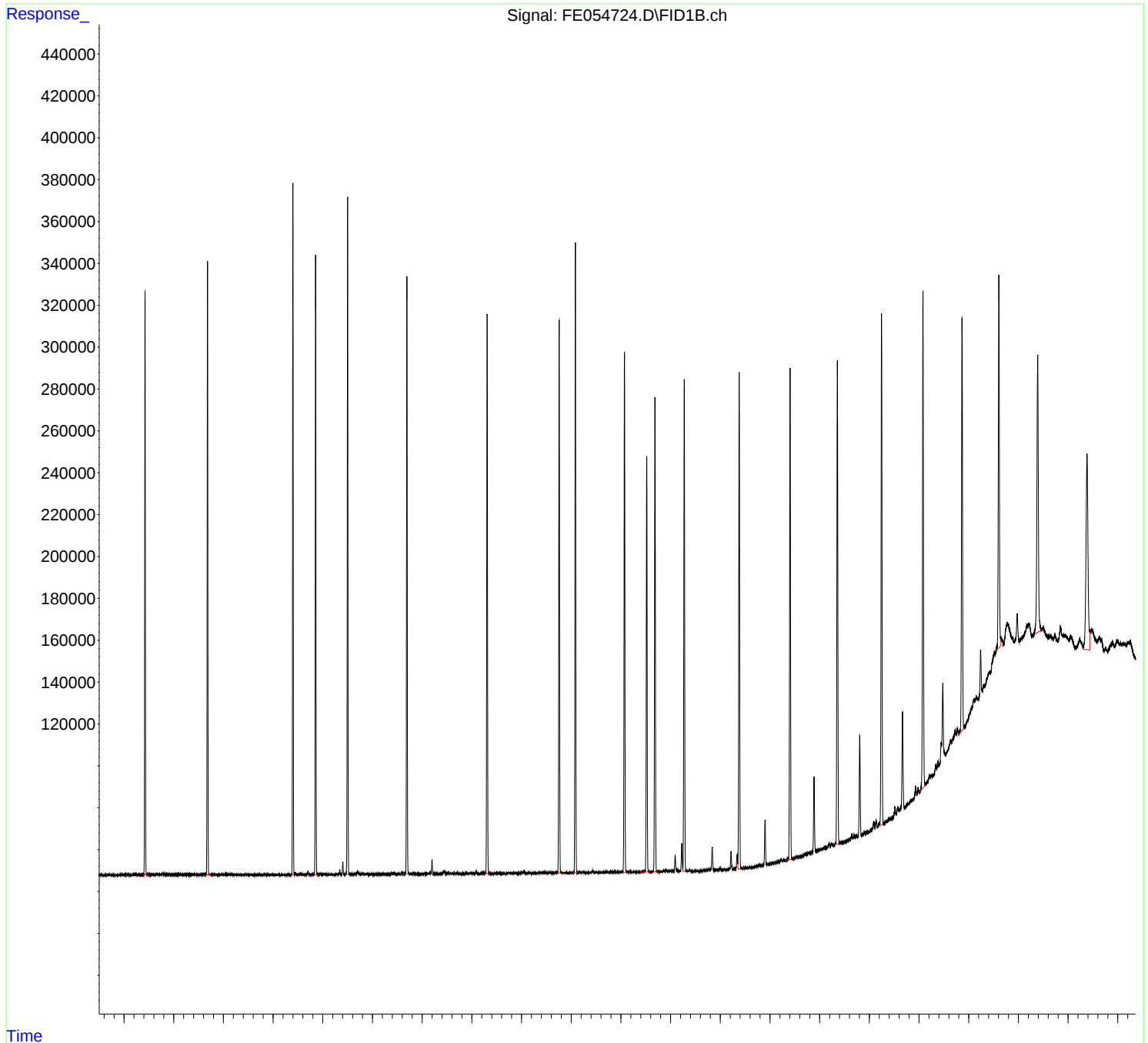
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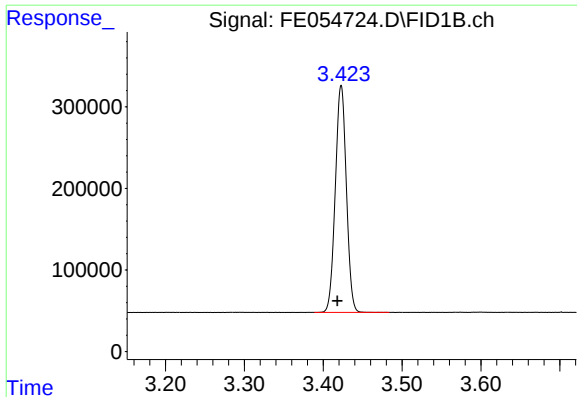
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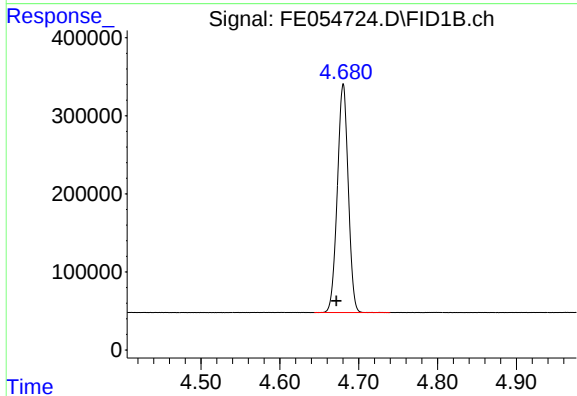
#1 n-Nonane (C9)

R.T.: 3.423 min
Delta R.T.: 0.005 min
Response: 2707169
Conc: 20.13 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

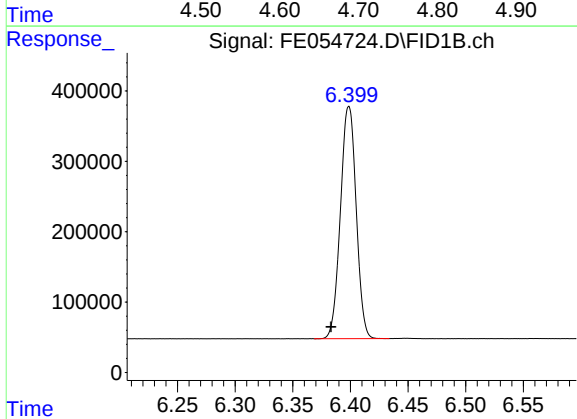
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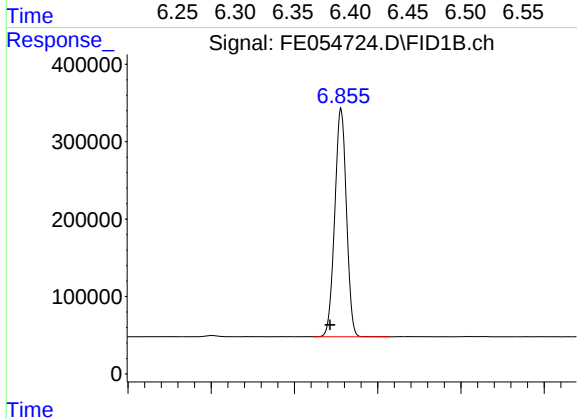
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.009 min
Response: 2812933
Conc: 20.62 ug/ml



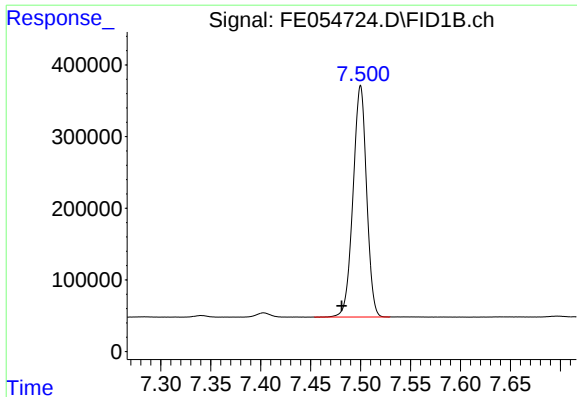
#3 A~Naphthalene (C11.7)

R.T.: 6.399 min
Delta R.T.: 0.016 min
Response: 3138726
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.856 min
Delta R.T.: 0.013 min
Response: 2875283
Conc: 20.96 ug/ml



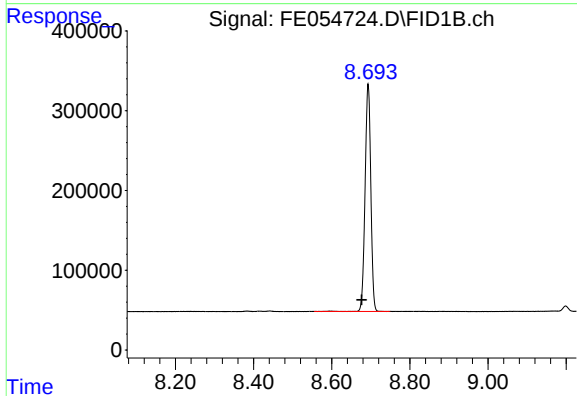
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.500 min
Delta R.T.: 0.019 min
Response: 3052441
Conc: 20.76 ug/ml

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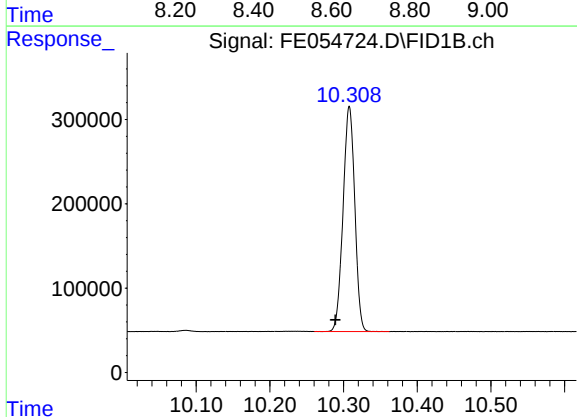
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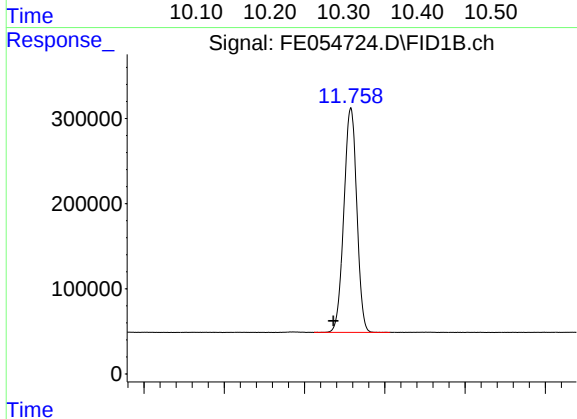
#6 n-Tetradecane (C14)

R.T.: 8.693 min
Delta R.T.: 0.017 min
Response: 2896035
Conc: 20.89 ug/ml



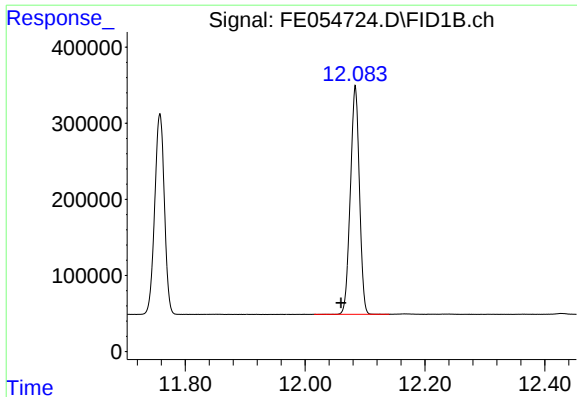
#7 n-Hexadecane (C16)

R.T.: 10.308 min
Delta R.T.: 0.019 min
Response: 2951558
Conc: 20.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.758 min
Delta R.T.: 0.022 min
Response: 2948816
Conc: 20.12 ug/ml



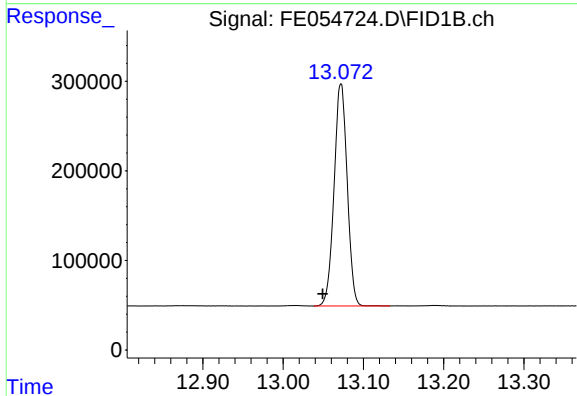
#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.024 min
Response: 3147791
Conc: 19.38 ug/ml

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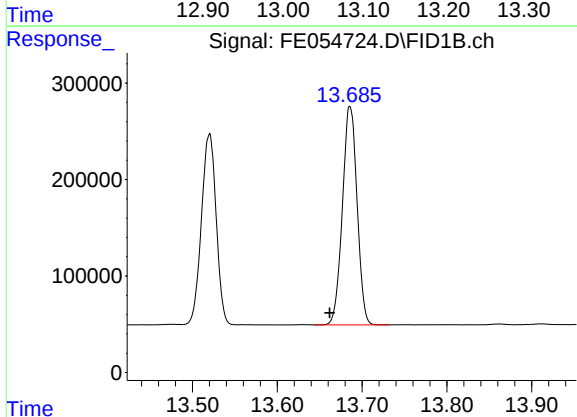
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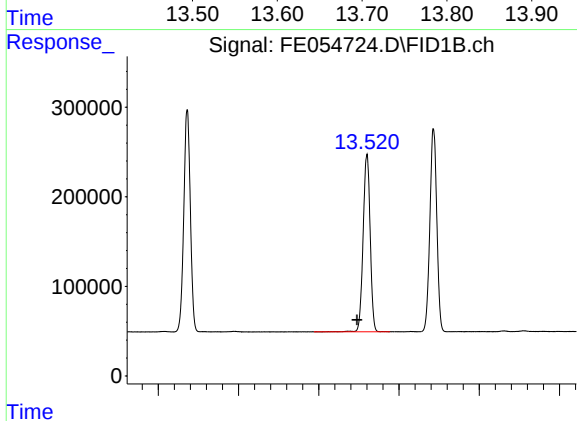
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.023 min
Response: 2821836
Conc: 19.62 ug/ml



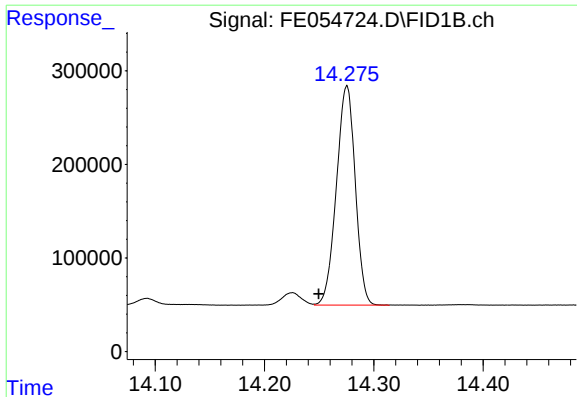
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.024 min
Response: 2721549
Conc: 19.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.024 min
Response: 2411627
Conc: 19.10 ug/ml



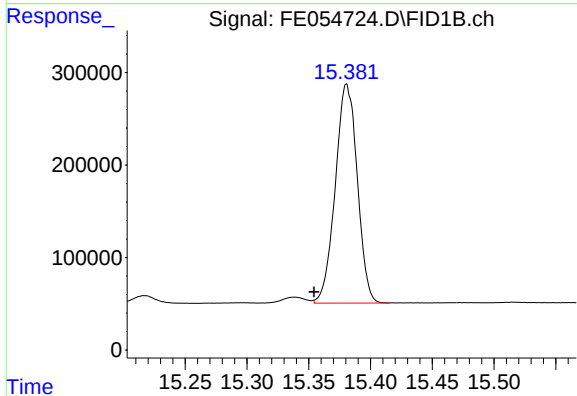
#13 n-Docosane (C22)

R.T.: 14.275 min
Delta R.T.: 0.026 min
Response: 2808289
Conc: 19.67 ug/ml

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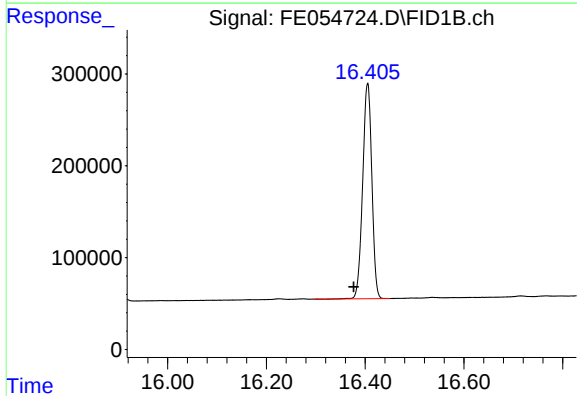
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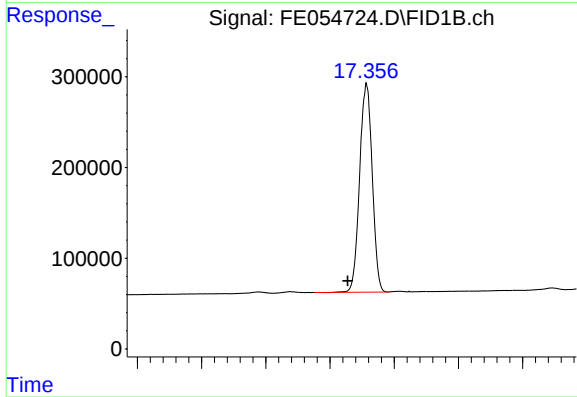
#14 n-Tetracosane (C24)

R.T.: 15.381 min
Delta R.T.: 0.026 min
Response: 2933927
Conc: 20.18 ug/ml m



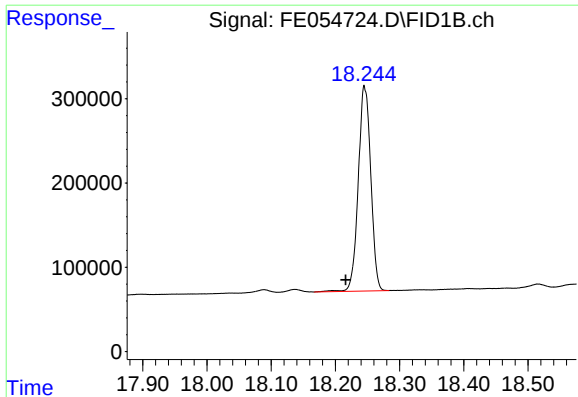
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.029 min
Response: 3025201
Conc: 20.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.357 min
Delta R.T.: 0.029 min
Response: 3136061
Conc: 21.52 ug/ml



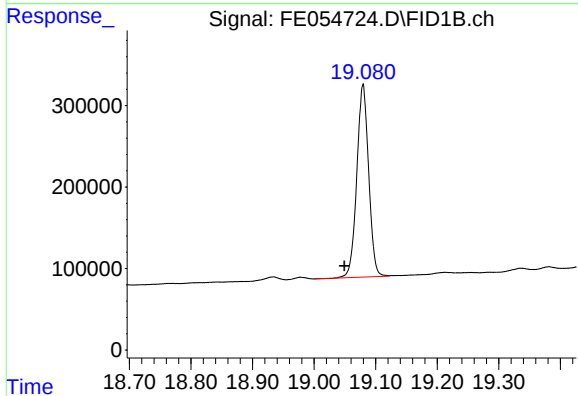
#17 n-Tricontane (C30)

R.T.: 18.246 min
Delta R.T.: 0.030 min
Response: 3297604
Conc: 20.93 ug/ml

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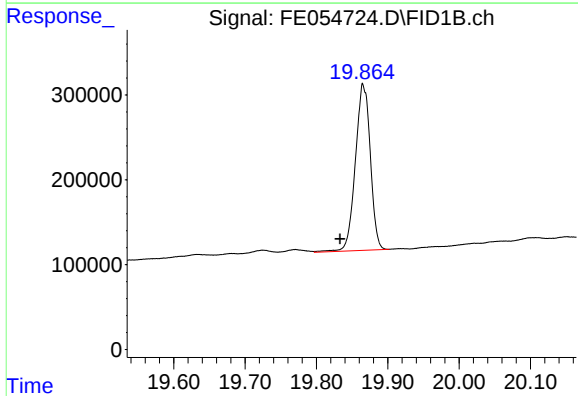
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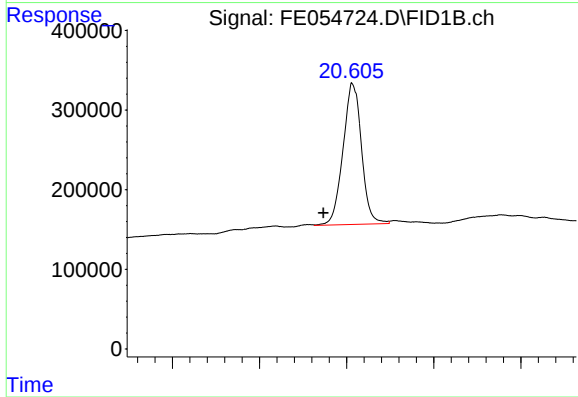
#18 n-Dotriacontane (C32)

R.T.: 19.079 min
Delta R.T.: 0.030 min
Response: 3160483
Conc: 19.53 ug/ml



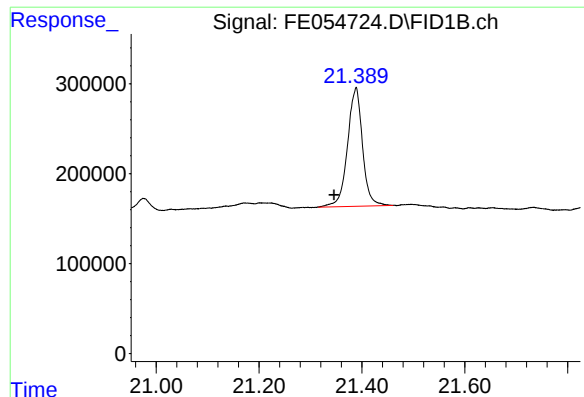
#19 n-Tetratriacontane (C34)

R.T.: 19.866 min
Delta R.T.: 0.033 min
Response: 2851320
Conc: 18.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.605 min
Delta R.T.: 0.032 min
Response: 2619657
Conc: 19.48 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.043 min
Response: 2666182
Conc: 22.73 ug/ml

Instrument :

FID_E

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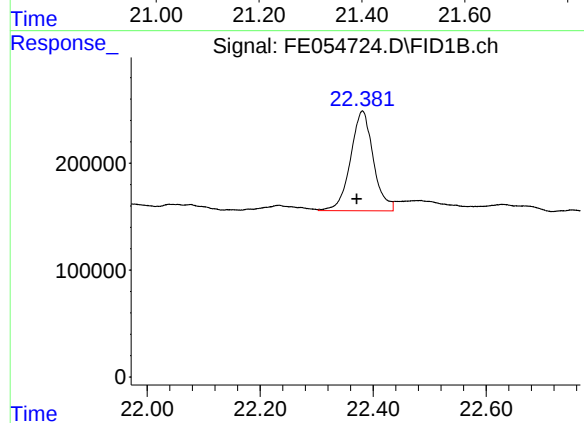
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#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.010 min
Response: 2616156
Conc: 24.14 ug/ml